Biao Ren

List of Publications by Year
in descending order

140 papers	6,030 citations	101384 36 h-index	88477 70 g-index
159 all docs	159 docs citations	159 times ranked	7996 citing authors

#	Article	IF	Citations
1	Transmission routes of 2019-nCoV and controls in dental practice. International Journal of Oral Science, 2020, 12, 9.	3.6	1,489
2	NLLSS: Predicting Synergistic Drug Combinations Based on Semi-supervised Learning. PLoS Computational Biology, 2016, 12, e1004975.	1.5	250
3	The microbial coinfection in COVID-19. Applied Microbiology and Biotechnology, 2020, 104, 7777-7785.	1.7	206
4	Synergistic combinations of antifungals and anti-virulence agents to fight againstCandida albicans. Virulence, 2015, 6, 362-371.	1.8	139
5	Oral microbiota in human systematic diseases. International Journal of Oral Science, 2022, 14, 14.	3.6	137
6	Saliva is a nonâ€negligible factor in the spread of COVIDâ€19. Molecular Oral Microbiology, 2020, 35, 141-145.	1.3	136
7	The regulation of hyphae growth in Candida albicans. Virulence, 2020, 11, 337-348.	1.8	125
8	Production and characterization of biosurfactant from marine Streptomyces species B3. Journal of Colloid and Interface Science, 2012, 367, 311-318.	5.0	123
9	Influence of Dental Prosthesis and Restorative Materials Interface on Oral Biofilms. International Journal of Molecular Sciences, 2018, 19, 3157.	1.8	108
10	Brevianamides with Antitubercular Potential from a Marine-Derived Isolate of Aspergillus versicolor. Organic Letters, 2012, 14, 4770-4773.	2.4	102
11	Bioprospecting microbial natural product libraries from the marine environment for drug discovery. Journal of Antibiotics, 2010, 63, 415-422.	1.0	97
12	Reactive Oxygen Species in Pathogen Clearance: The Killing Mechanisms, the Adaption Response, and the Side Effects. Frontiers in Microbiology, 2020, 11, 622534.	1.5	97
13	Trichodermaketones Aâ^'D and 7-O-Methylkoninginin D from the Marine Fungus Trichoderma koningii. Journal of Natural Products, 2010, 73, 806-810.	1.5	92
14	Isolation and Structural Elucidation of Proline-Containing Cyclopentapeptides from an Endolichenic Xylaria sp.. Journal of Natural Products, 2011, 74, 1303-1308.	1.5	90
15	Polyketides with antimicrobial activity from the solid culture of an endolichenic fungus Ulocladium sp.. FÃ¬toterapÃ¬Ã¢, 2012, 83, 209-214.	1.1	87
16	Oral bacteria colonize and compete with gut microbiota in gnotobiotic mice. International Journal of Oral Science, 2019, 11, 10.	3.6	69
17	Candida albicans promotes tooth decay by inducing oral microbial dysbiosis. ISME Journal, 2021, 15, 894-908.	4.4	67
18	ASDCD: Antifungal Synergistic Drug Combination Database. PLoS ONE, 2014, 9, e86499.	1.1	65

#	Article	IF	Citations
19	Amycolatopsis marina sp. nov., an actinomycete isolated from an ocean sediment. International Journal of Systematic and Evolutionary Microbiology, 2009, 59, 477-481.	0.8	61
20	Optimization for the Production of Surfactin with a New Synergistic Antifungal Activity. PLoS ONE, 2012, 7, e34430.	1.1	61
21	Do quaternary ammonium monomers induce drug resistance in cariogenic, endodontic and periodontal bacterial species?. Dental Materials, 2017, 33, 1127-1138.	1.6	58
22	Production and characterization of a group of bioemulsifiers from the marine Bacillus velezensis strain H3. Applied Microbiology and Biotechnology, 2010, 87, 1881-1893.	1.7	57
23	Three antimycobacterial metabolites identified from a marine-derived Streptomyces sp. MS100061. Applied Microbiology and Biotechnology, 2013, 97, 3885-3892.	1.7	54
24	Salivary mycobiome dysbiosis and its potential impact on bacteriome shifts and host immunity in oral lichen planus. International Journal of Oral Science, 2019, 11, 13.	3.6	54
25	Application of Antibiotics/Antimicrobial Agents on Dental Caries. BioMed Research International, 2020, 2020, 1-11.	0.9	54
26	Two-staged time-dependent materials for the prevention of implant-related infections. Acta Biomaterialia, 2020, 101, 128-140.	4.1	48
27	Quinazolin-4-one Coupled with Pyrrolidin-2-iminium Alkaloids from Marine-Derived Fungus Penicillium aurantiogriseum. Marine Drugs, 2012, 10, 1297-1306.	2.2	46
28	Three new sterigmatocystin analogues from marine-derived fungus Aspergillus versicolor MF359. Applied Microbiology and Biotechnology, 2014, 98, 3753-3758.	1.7	46
29	Anti-MRSA and anti-TB metabolites from marine-derived Verrucosispora sp. MS100047. Applied Microbiology and Biotechnology, 2016, 100, 7437-7447.	1.7	45
30	Paenibacillus algorifonticola sp. nov., isolated from a cold spring. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 2167-2172.	0.8	44
31	Yuhushiella deserti gen. nov., sp. nov., a new member of the suborder Pseudonocardineae. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 621-630.	0.8	43
32	Verrucosispora sediminis sp. nov., a cyclodipeptide-producing actinomycete from deep-sea sediment. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 1807-1812.	0.8	42
33	<scp>d</scp>â€Alanine metabolism is essential for growth and biofilm formation of Streptococcus mutans. Molecular Oral Microbiology, 2016, 31, 435-444.	1.3	41
34	Anti-Caries Effects of Dental Adhesives Containing Quaternary Ammonium Methacrylates with Different Chain Lengths. Materials, 2017, 10, 643.	1.3	40
35	The anti-caries effects of dental adhesive resin influenced by the position of functional groups in quaternary ammonium monomers. Dental Materials, 2018, 34, 400-411.	1.6	40
36	Tricycloalternarenes Fâ€“H: Three new mixed terpenoids produced by an endolichenic fungus Ulocladium sp. using OSMAC method. FÃ¬toterapÃ¬Ã¢, 2013, 85, 8-13.	1.1	39

#	Article	IF	Citations
37	Porphyromonas gingivalis Promotes Immunoevasion of Oral Cancer by Protecting Cancer from Macrophage Attack. Journal of Immunology, 2020, 205, 282-289.	0.4	38
38	Prauserella marina sp. nov., isolated from ocean sediment of the South China Sea. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 985-989.	0.8	36
39	Effect of Antimicrobial Denture Base Resin on Multi-Species Biofilm Formation. International Journal of Molecular Sciences, 2016, 17, 1033.	1.8	35
40	Lovastatin synergizes with itraconazole against planktonic cells and biofilms of Candida albicans through the regulation on ergosterol biosynthesis pathway. Applied Microbiology and Biotechnology, 2018, 102, 5255-5264.	1.7	35
41	Two optimized antimicrobial peptides with therapeutic potential for clinical antibiotic-resistant Staphylococcus aureus. European Journal of Medicinal Chemistry, 2019, 183, 111686.	2.6	35
42	ERG3 and ERG11 genes are critical for the pathogenesis of Candida albicans during the oral mucosal infection. International Journal of Oral Science, 2018, 10, 9.	3.6	34
43	Verrucisidinol and Verrucosidinol Acetate, Two Pyrone-Type Polyketides Isolated from a Marine Derived Fungus, Penicillium aurantiogriseum. Marine Drugs, 2010, 8, 2744-2754.	2.2	33
44	Effects of water and microbial-based aging on the performance of three dental restorative materials. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 80, 42-50.	1.5	33
45	Sydowiols Aâ€“C: Mycobacterium tuberculosis protein tyrosine phosphatase inhibitors from an East China Sea marine-derived fungus, Aspergillus sydowii. Tetrahedron Letters, 2013, 54, 6081-6083.	0.7	31
46	Beauvericin counteracted multi-drug resistant Candida albicans by blocking ABC transporters. Synthetic and Systems Biotechnology, 2016, 1, 158-168.	1.8	31
47	Novel Dental Adhesive with Biofilm-Regulating and Remineralization Capabilities. Materials, 2017, 10, 26.	1.3	31
48	Drug resistance of oral bacteria to new antibacterial dental monomer dimethylaminohexadecyl methacrylate. Scientific Reports, 2018, 8, 5509.	1.6	31
49	Artemisinin elevates ergosterol levels of Candida albicans to synergise with amphotericin B against oral candidiasis. International Journal of Antimicrobial Agents, 2021, 58, 106394.	1.1	31
50	Endophytic Streptomyces sp. Y3111 from traditional Chinese medicine produced antitubercular pluramycins. Applied Microbiology and Biotechnology, 2014, 98, 1077-1085.	1.7	30
51	Advances of Anti-Caries Nanomaterials. Molecules, 2020, 25, 5047.	1.7	30
52	pH-Responsive Antibacterial Resin Adhesives for Secondary Caries Inhibition. Journal of Dental Research, 2020, 99, 1368-1376.	2.5	29
53	Formation of persisters in Streptococcus mutans biofilms induced by antibacterial dental monomer. Journal of Materials Science: Materials in Medicine, 2017, 28, 178.	1.7	27
54	Cross-kingdom interaction of Candida albicans and Actinomyces viscosus elevated cariogenic virulence. Archives of Oral Biology, 2019, 100, 106-112.	0.8	27

#	Article	IF	Citations
55	Evaluation of Novel Anticaries Adhesive in a Secondary Caries Animal Model. Caries Research, 2018, 52, 14-21.	0.9	25
56	The Role of Neutrophil Extracellular Traps in Periodontitis. Frontiers in Cellular and Infection Microbiology, 2021, 11, 639144.	1.8	25
57	The Clinical Potential of Oral Microbiota as a Screening Tool for Oral Squamous Cell Carcinomas. Frontiers in Cellular and Infection Microbiology, 2021, 11, 728933.	1.8	25
58	Arthrobacter liuii sp. nov., resuscitated from Xinjiang desert soil. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 896-901.	0.8	24
59	Anti-Bacterial and Microecosystem-Regulating Effects of Dental Implant Coated with Dimethylaminododecyl Methacrylate. Molecules, 2017, 22, 2013.	1.7	24
60	Effect of Veillonella parvula on the physiological activity of Streptococcus mutans. Archives of Oral Biology, 2020, 109, 104578.	0.8	24
61	Growth and adherence of Staphylococcus aureus were enhanced through the PGE2 produced by the activated COX-2/PGE2 pathway of infected oral epithelial cells. PLoS ONE, 2017, 12, e0177166.	1.1	24
62	Effects of different substrates/growth media on microbial community of saliva-derived biofilm. FEMS Microbiology Letters, 2017, 364, .	0.7	23
63	Nicotine Enhances Interspecies Relationship betweenStreptococcus mutansandCandida albicans. BioMed Research International, 2017, 2017, 1-9.	0.9	23
64	Anti-caries effect of resin infiltrant modified by quaternary ammonium monomers. Journal of Dentistry, 2020, 97, 103355.	1.7	23
65	Magnetic Field Is the Dominant Factor to Induce the Response of Streptomyces avermitilis in Altered Gravity Simulated by Diamagnetic Levitation. PLoS ONE, 2011, 6, e24697.	1.1	22
66	The Interactions Between Candida albicans and Mucosal Immunity. Frontiers in Microbiology, 2021, 12, 652725.	1.5	22
67	Antibiotic-induced dysbiosis of the rat oral and gut microbiota and resistance to Salmonella. Archives of Oral Biology, 2020, 114, 104730.	0.8	22
68	Quaternary ammonium-induced multidrug tolerant Streptococcus mutans persisters elevate cariogenic virulence in vitro. International Journal of Oral Science, 2017, 9, e7-e7.	3.6	22
69	ABC transporters coupled with the elevated ergosterol contents contribute to the azole resistance and amphotericin B susceptibility. Applied Microbiology and Biotechnology, 2014, 98, 2609-2616.	1.7	21
70	Staphylococcus aureus induces COX-2-dependent proliferation and malignant transformation in oral keratinocytes. Journal of Oral Microbiology, 2019, 11, 1643205.	1.2	21
71	Interactions Between Neutrophils and Periodontal Pathogens in Late-Onset Periodontitis. Frontiers in Cellular and Infection Microbiology, 2021, 11, 627328.	1.8	21
72	Staphylococcus aureus Synergized with Candida albicans to Increase the Pathogenesis and Drug Resistance in Cutaneous Abscess and Peritonitis Murine Models. Pathogens, 2021, 10, 1036.	1.2	21

#	Article	IF	Citations
73	Effect of toothpaste containing arginine on dental plaqueâ€"A randomized controlled in situ study. Journal of Dentistry, 2017, 67, 88-93.	1.7	20
74	Heat-Polymerized Resin Containing Dimethylaminododecyl Methacrylate Inhibits Candida albicans Biofilm. Materials, 2017, 10, 431.	1.3	20
75	Berberine reverses multidrug resistance in Candida albicans by hijacking the drug efflux pump Mdr1p. Science Bulletin, 2021, 66, 1895-1905.	4.3	20
76	Egg yolk immunoglobulin (IgY) targeting SARS-CoV-2 S1 as potential virus entry blocker. Journal of Applied Microbiology, 2022, 132, 2421-2430.	1.4	18
77	Short-Time Antibacterial Effects of Dimethylaminododecyl Methacrylate on Oral Multispecies Biofilm In Vitro. BioMed Research International, 2019, 2019, 1-10.	0.9	17
78	Dimethylaminododecyl methacrylate inhibits Candida albicans and oropharyngeal candidiasis in a pH-dependent manner. Applied Microbiology and Biotechnology, 2020, 104, 3585-3595.	1.7	17
79	Synthesis and evaluation of novel sulfenamides as novel anti Methicillin-resistant Staphylococcus aureus agents. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 724-727.	1.0	16
80	Amphibacillus marinus sp. nov., a member of the genus Amphibacillus isolated from marine mud. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 1485-1491.	0.8	15
81	Clotrimazole and econazole inhibit Streptococcus mutans biofilm and virulence in vitro. Archives of Oral Biology, 2017, 73, 113-120.	0.8	15
82	Research on oral microbiota of monozygotic twins with discordant caries experience - in vitro and in vivo study. Scientific Reports, 2018, 8, 7267.	1.6	15
83	Effect of D-cysteine on dual-species biofilms of Streptococcus mutans and Streptococcus sanguinis. Scientific Reports, 2019, 9, 6689.	1.6	15
84	Synonymous point mutation of gtfB gene caused by therapeutic X-rays exposure reduced the biofilm formation and cariogenic abilities of Streptococcus mutans. Cell and Bioscience, 2021, 11, 91.	2.1	15
85	The effect of disaggregated nano-hydroxyapatite on oral biofilm in vitro. Dental Materials, 2020, 36, e207-e216.	1.6	15
86	3DScapeCS: application of three dimensional, parallel, dynamic network visualization in Cytoscape. BMC Bioinformatics, 2013, 14, 322.	1.2	14
87	Novel Cavity Disinfectants Containing Quaternary Ammonium Monomer Dimethylaminododecyl Methacrylate. Materials, 2016, 9, 674.	1.3	14
88	Function of alanine racemase in the physiological activity and cariogenicity of Streptococcus mutans. Scientific Reports, 2018, 8, 5984.	1.6	14
89	A novel antibacterial resin-based root canal sealer modified by Dimethylaminododecyl Methacrylate. Scientific Reports, 2019, 9, 10632.	1.6	14
90	The inhibitory effect of quaternary ammonium salt on bacteria in root canal. Scientific Reports, 2019, 9, 12463.	1.6	14

#	Article	IF	Citations
91	Salinibacillus xinjiangensis sp. nov., a halophilic bacterium from a hypersaline lake. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 27-32.	0.8	13
92	Prauserella shujinwangii sp. nov., from a desert environment. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 3833-3837.	0.8	13
93	Influence of bioâ€aging on corrosion behavior of different implant materials. Clinical Implant Dentistry and Related Research, 2019, 21, 1225-1234.	1.6	13
94	The two-component signal transduction system and its regulation in Candida albicans. Virulence, 2021, 12, 1884-1899.	1.8	13
95	Gracilibacillus xinjiangensis sp. nov., a new member of the genus Gracilibacillus isolated from Xinjiang region, China. Antonie Van Leeuwenhoek, 2013, 104, 809-816.	0.7	12
96	Candida albicans CHK1 gene from two-component system is essential for its pathogenicity in oral candidiasis. Applied Microbiology and Biotechnology, 2021, 105, 2485-2496.	1.7	12
97	Revised Genome Sequence of Burkholderia thailandensis MSMB43 with Improved Annotation. Journal of Bacteriology, 2012, 194, 4749-4750.	1.0	11
98	The cross-kingdom interaction between Helicobacter pylori and Candida albicans. PLoS Pathogens, 2021, 17, e1009515.	2.1	11
99	Effect of Antibacterial Root Canal Sealer on Persistent Apical Periodontitis. Antibiotics, 2021, 10, 741.	1.5	11
100	Intelligent pH-responsive dental sealants to prevent long-term microleakage. Dental Materials, 2021, 37, 1529-1541.	1.6	11
101	Applications of CRISPR/Cas gene-editing technology in yeast and fungi. Archives of Microbiology, 2022, 204, 79.	1.0	11
102	Effect of Novel Micro-Arc Oxidation Implant Material on Preventing Peri-Implantitis. Coatings, 2019, 9, 691.	1.2	10
103	Characterization of anti-BCG benz[Î±]anthraquinones and new siderophores from a Xinjiang desertâ€"isolated rare actinomycete Nocardia sp. XJ31. Applied Microbiology and Biotechnology, 2020, 104, 8267-8278.	1.7	10
104	Core Microbiota Promotes the Development of Dental Caries. Applied Sciences (Switzerland), 2021, 11, 3638.	1.3	10
105	Reversal of meticillin resistance in Staphylococcus aureus by the anthelmintic avermectin. International Journal of Antimicrobial Agents, 2014, 44, 274-276.	1.1	9
106	A new salicylate synthase AmS is identified for siderophores biosynthesis in Amycolatopsis methanolica 239T. Applied Microbiology and Biotechnology, 2015, 99, 5895-5905.	1.7	9
107	Generation of Fluorinated Amychelin Siderophores against Pseudomonas aeruginosa Infections by a Combination of Genome Mining and Mutasynthesis. Cell Chemical Biology, 2020, 27, 1532-1543.e6.	2.5	9
108	Molecular networking assisted discovery and biosynthesis elucidation of the antimicrobial spiroketals epicospirocins. Chemical Communications, 2020, 56, 10171-10174.	2.2	9

#	Article	IF	Citations
109	Resumptive Streptococcus mutans Persisters Induced From Dimethylaminododecyl Methacrylate Elevated the Cariogenic Virulence by Up-Regulating the Quorum-Sensing and VicRK Pathway Genes. Frontiers in Microbiology, 2020, 10, 3102.	1.5	9
110	Antibacterial polyene-polyol macrolides and cyclic peptides from the marine-derived Streptomyces sp. MS110128. Applied Microbiology and Biotechnology, 2021, 105, 4975-4986.	1.7	9
111	The Interaction Between the Microbiome and Tumors. Frontiers in Cellular and Infection Microbiology, 2021, 11, 673724.	1.8	9
112	Nivetetracyclates A and B: Novel Compounds Isolated from Streptomyces niveus. Organic Letters, 2013, 15, 5762-5765.	2.4	8
113	Fluphenazine antagonizes with fluconazole but synergizes with amphotericin B in the treatment of candidiasis. Applied Microbiology and Biotechnology, 2019, 103, 6701-6709.	1.7	8
114	Voriconazole inhibits cross-kingdom interactions between Candida albicans and Actinomyces viscosus through the ergosterol pathway. International Journal of Antimicrobial Agents, 2019, 53, 805-813.	1.1	8
115	Novel dental implant modifications with two-staged double benefits for preventing infection and promoting osseointegration in vivo and in vitro. Bioactive Materials, 2021, 6, 4568-4579.	8.6	8
116	The Role of Glycoside Hydrolases in S. gordonii and C. albicans Interactions. Applied and Environmental Microbiology, 2022, 88, e0011622.	1.4	8
117	The Arginine Biosynthesis Pathway of Candida albicans Regulates Its Cross-Kingdom Interaction with Actinomyces viscosus to Promote Root Caries. Microbiology Spectrum, 2022, 10, .	1.2	8
118	A novel two-dimensional liquid chromatography - Mass spectrometry method for direct drug impurity identification from HPLC eluent containing ion-pairing reagent in mobile phases. Analytica Chimica Acta, 2019, 1049, 105-114.	2.6	7
119	Starvation Survival and Biofilm Formation under Subminimum Inhibitory Concentration of QAMs. BioMed Research International, 2021, 2021, 1-10.	0.9	6
120	Genome-guided investigation of anti-inflammatory sesterterpenoids with 5-15 trans-fused ring system from phytopathogenic fungi. Applied Microbiology and Biotechnology, 2021, 105, 5407-5417.	1.7	6
121	Anti-bacterial and anti-microbial aging effects of resin-based sealant modified by quaternary ammonium monomers. Journal of Dentistry, 2021, 112, 103767.	1.7	6
122	Characterization ofStreptomycessp. LS462 with high productivity of echinomycin, a potent antituberculosis and synergistic antifungal antibiotic. Journal of Industrial Microbiology and Biotechnology, 2021, 48, .	1.4	6
123	F0F1-ATPase Contributes to the Fluoride Tolerance and Cariogenicity of Streptococcus mutans. Frontiers in Microbiology, 2021, 12, 777504.	1.5	5
124	Whole genome sequencing of Enterobacter mori, an emerging pathogen of kiwifruit and the potential genetic adaptation to pathogenic lifestyle. AMB Express, 2021, 11, 129.	1.4	4
125	The dynamic landscape of parasitemia dependent intestinal microbiota shifting and the correlated gut transcriptome during Plasmodium yoelii infection. Microbiological Research, 2022, 258, 126994.	2.5	4
126	Synergistic antifungal indolecarbazoles from Streptomyces sp. CNS-42 associated with traditional Chinese medicine Alisma orientale. Journal of Antibiotics, 2017, 70, 715-717.	1.0	3

#	Article	IF	Citations
127	The Antibacterial Effects of Quaternary Ammonium Salts in the Simulated Presence of Inhibitors in Root Canals: A Preliminary In-Vitro Study. Coatings, 2020, 10, 181.	1.2	3
128	Application of Omics and Bioinformatics Tools in Streptococcus Research. Current Issues in Molecular Biology, 2019, 32, 327-376.	1.0	3
129	The Oral Complications of COVID-19. Frontiers in Molecular Biosciences, 2021, 8, 803785.	1.6	3
130	The Synergistic Effect of Nicotine and Staphylococcus aureus on Peri-Implant Infections. Frontiers in Bioengineering and Biotechnology, 2021, 9, 658380.	2.0	2
131	The FnBPA from methicillin-resistant Staphylococcus aureus promoted development of oral squamous cell carcinoma. Journal of Oral Microbiology, 2022, 14, .	1.2	2
132	Mycobiome Dysbiosis in Oral Lichen Planus. , 2020, , 315-332.		1
133	Main Applications of Antibiotics. , 2015, , 19-48.		1
134	Subgingival Microbes. , 2020, , 145-210.		1
135	Oral Mucosal Microbes. , 2020, , 211-251.		1
136	Application of Omics and Bioinformatics Tools in Streptococcus Research. , 2019, , .		0
137	Basic Biology of Oral Microbes. , 2020, , 1-24.		0
138	New Oral Microbial Isolations. , 2020, , 253-286.		0
139	Supragingival Microbes. , 2020, , 81-143.		0
140	Techniques for Oral Microbiology. , 2020, , 25-80.		0